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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

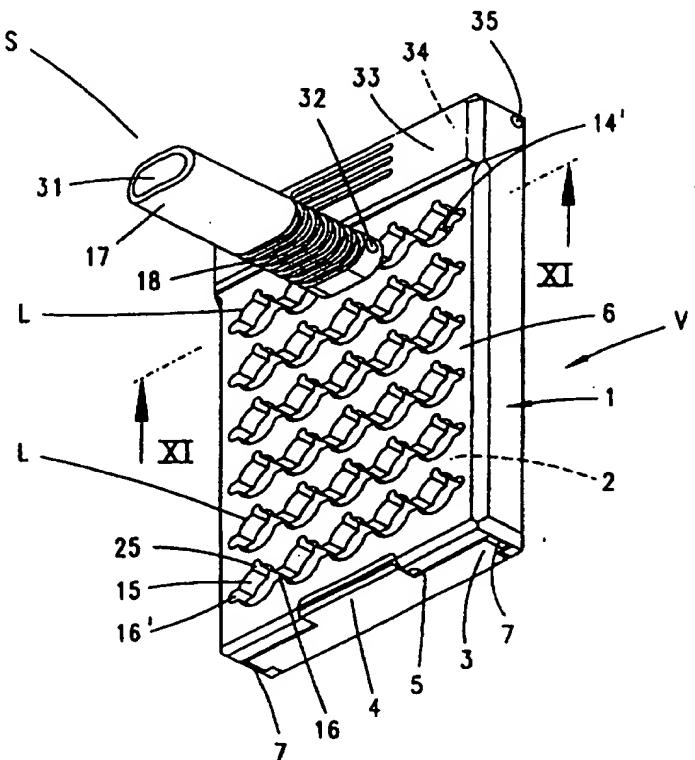
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(71)(72) Applicant and Inventor: VON SCHUCKMANN, Alfred [DE/DE]; Winnekendonker Strasse 52, D-47627 Kevelaer (DE).	Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(74) Agents: MÜLLER, Enno et al.; Corneliusstrasse 45, D-42329 Wuppertal (DE).	(88) Date of publication of the international search report: 15 January 1998 (15.01.98)

(54) Title: INHALER

(57) Abstract

An inhaler having an inhaler body extending between two ends, an outlet at one of said two ends, a suction tube at the other of said two ends and an inhalation channel within the body providing fluid connection between the suction tube and the outlet, the suction tube being shaped and dimensioned for insertion into a blister containing powder such that the drawing of air through the inhaler body will draw powder from the blister through the suction tube and inhalation channel and out of the outlet, a channel inlet being provided in the suction tube and a cutter being provided around only part of the channel inlet to cut a film cover of a blister around only part of the channel inlet, at least one inlet passage extending between a passage inlet at a position along the length of the suction tube and a passage outlet adjacent the channel inlet to allow air into a blister and blister packs which are distinguishable according to their orientation and/or contents.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 97/02144

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 A61M15/00 A61J1/03 B65D75/34 B65D83/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 6 A61M A61J B65D B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2 549 303 A (FRIDEN) 17 April 1951 see figures ---	1,38,40 14-18, 20,41,42
X Y	WO 96 09085 A (INHALE THERAPEUTIC SYST) 28 March 1996 see page 28, line 27 - page 29, line 34	19,43 14-18, 20,41, 42,44
A	see page 35, line 10 - line 16 see page 36, line 7 - line 14; figures 10,11,18,19 ---	37
X,P A	DE 195 00 764 A (ASTA MEDICA AG) 25 July 1996 see column 7, line 41 - column 9, line 12; figures ---	38,40 1,2 -/-

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Date of the actual completion of the international search

Date of mailing of the international search report

28 November 1997

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 97/02144

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 181 189 A (HAFNER) 19 January 1993 see abstract see column 2, last paragraph - column 3, paragraph 1 -----	37

INTERNATIONAL SEARCH REPORT

national application No.
PCT/EP 97/02144

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

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Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

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3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

MULTIPLE INVENTIONS

1. Claims: 1-14, 16-18, 20-28, 38, 39, 40
2. Claims: 15-18, 41, 42
3. Claims: 19, 43, 44
4. Claims: 29-34
5. Claims: 35, 36
6. Claims: 37

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